



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[W66860]
 Machine Id
JOHN DEERE 470G 1FF470GXEJF235245
 Component
Left Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (4 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W66860)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0215072	JR0188049	JR0171926
Sample Date		Client Info		08 May 2024	26 Oct 2023	02 Jun 2023
Machine Age	hrs	Client Info		4605	4075	3486
Oil Age	hrs	Client Info		530	4075	1495
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		N/A	N/A	Not Changed
Sample Status				NORMAL	SEVERE	ABNORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	25	25	69
Iron	ppm	ASTM D5185m	>750	42	2518	198
Chromium	ppm	ASTM D5185m	>9	<1	30	9
Nickel	ppm	ASTM D5185m	>10	0	4	0
Titanium	ppm	ASTM D5185m		<1	33	4
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	2	258	38
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	1	4	<1
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

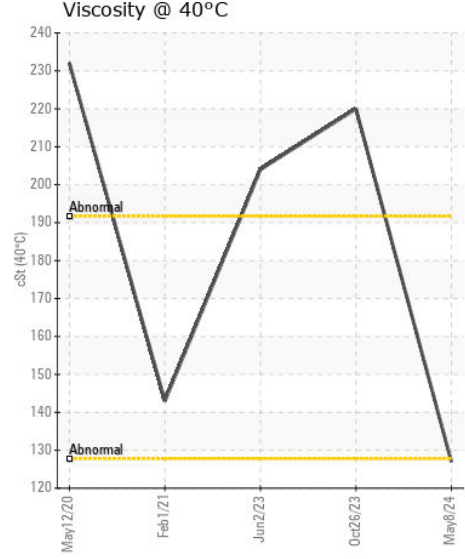
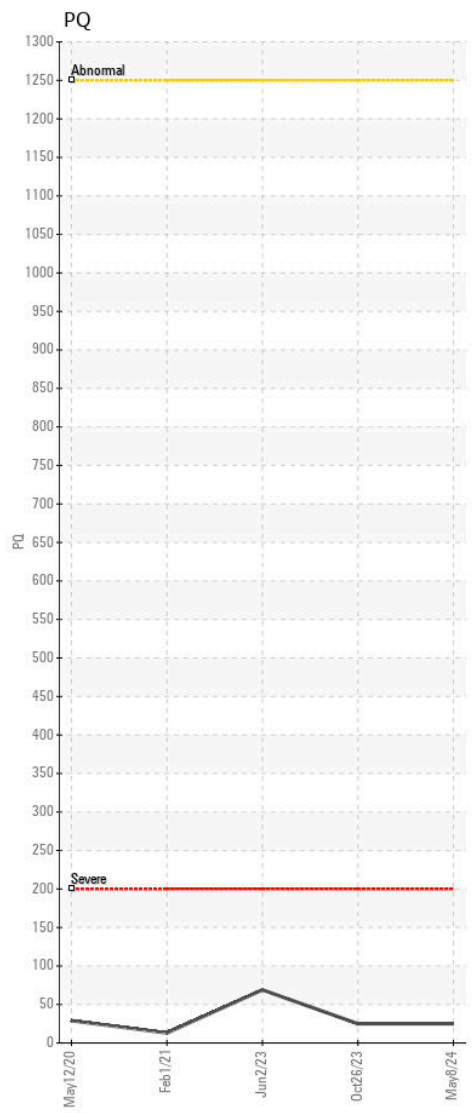
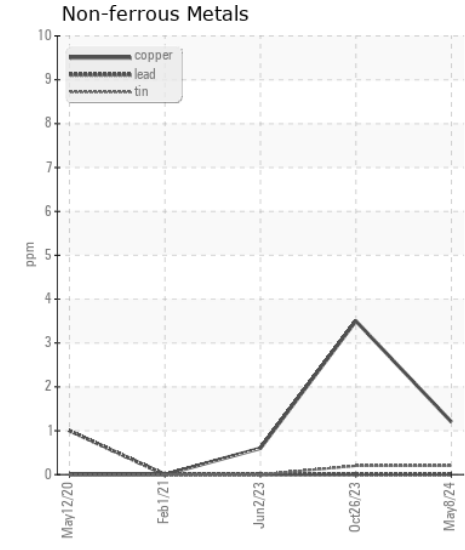
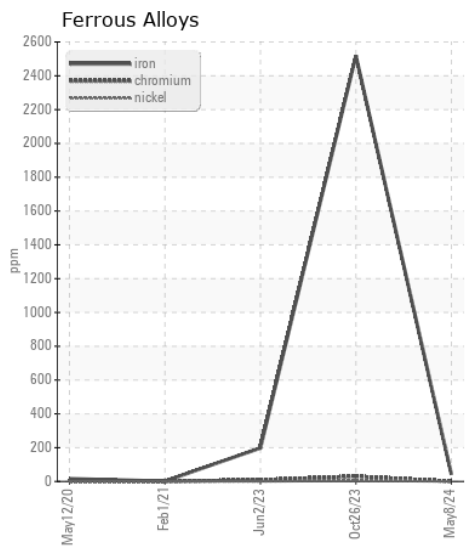
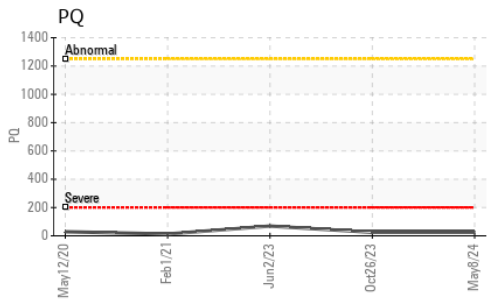
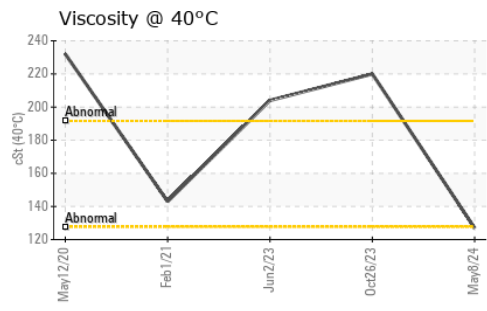
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	7	713	80
Potassium	ppm	ASTM D5185m	>20	1	64	7
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	NEG

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	0	14	3
Boron	ppm	ASTM D5185m		13	171	84
Barium	ppm	ASTM D5185m		0	2	0
Molybdenum	ppm	ASTM D5185m		<1	2	<1
Manganese	ppm	ASTM D5185m		<1	25	4
Magnesium	ppm	ASTM D5185m		3	14	2
Calcium	ppm	ASTM D5185m		106	103	126
Phosphorus	ppm	ASTM D5185m		422	1244	1336
Zinc	ppm	ASTM D5185m		43	55	56
Sulfur	ppm	ASTM D5185m		18173	22831	25056
Visc @ 40°C	cSt	ASTM D445		127	220	204



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0215072 **Received** : 10 May 2024
Lab Number : 06175747 **Tested** : 13 May 2024
Unique Number : 11021800 **Diagnosed** : 14 May 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

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Certificate L2367
 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)